HSL-46 Systems Check

Crypto / Communication
- [ ] Key IFF Transponder. Check for correct response during self-test. Verify Mode IV with ship, if available.
- [ ] Key Hawklink. Check for correct Bit Status Word 2. Establish link with ship, if available.
- [ ] Key UHF. Perform secure comm. check, if available.
- [ ] Perform HF self-test IAW NFM 15-31. Do not conduct on deck within 50 feet of line personnel.
- [ ] Key HF. Perform secure comm. check, if available.

Navigation
- [ ] GPS key status of 8881. Refer to WSM A-37.
- [ ] Check Doppler flags and faults clear.

Radar / IFF Interrogator
- [ ] Check radar for proper operation. Check all modes and ranges.
- [ ] Check proper operation of RDP, if equipped.
- [ ] Check manual IFF challenge.
- [ ] Automatic IFF challenge.

Acoustics
- [ ] SO ORT.
- [ ] Launch Active Sonobuoy IVO ship, if available.
- [ ] Ping buoy in all ping types. Check for normal visual and audio return.
- [ ] Change Depth.
- [ ] Select in OTPI and perform MOT.
- [ ] Launch Passive Sonobuoy IVO ship, if available.
- [ ] Tune OMNI in all channels. Check for normal visual and audio from each channel and both receivers.
- [ ] Tune Directional. Check for normal visual and audio.

MAD
- [ ] Stream MAD.

- [ ] Perform altitude compensation IAW NFM 7-28.
- [ ] Perform MAD run IVO merchant ship or other metallic structure, check for correct response.
- [ ] Retrieve MAD.

ESM
- [ ] Load SAC 2.   Check faults clear.
- [ ] Upload ESM Library, if Hawklink is available.
- [ ] Verify proper operation using ship's emitters, if available.

FLIR / Hellfire
- [ ] FLIR and Hellfire power - On.
- [ ] Perform Init/Test of FLIR and ACRT. Verify correct software version and faults clear.
- [ ] Check FLIR for proper operation. Check all FOVs.
- [ ] Insert tape in VCR. Verify operation, including audio.

RAST
- [ ] Crewman open cargo hook door.
- [ ] RAST MASTER - ON.
- [ ] MAIN PROBE - DOWN. Status Light indicates DOWN.
- [ ] MESSENGER CABLE - DOWN. STATUS LIGHT indicates OUT.
- [ ] Crewman verify main probe down, messenger cable out.
- [ ] Raise Messenger Cable. Position switch to OFF when STATUS LIGHT indicates messenger cable IN.
- [ ] MAIN PROBE - UP. STATUS LIGHT indicates UP.
- [ ] RAST MASTER - OFF.
- [ ] Crewman close cargo hook door.

Cargo
- [ ] Perform Cargo Hook Pre-operational Check IAW NFM 7-24.